A Review on Process Control in Speed Frame Machine

Abstract

Speed frame process is an intermediate process in which drawn sliver is converted in low twist lea (cotton fibre) called roving. This paper embraces the discussion of the need for process
control in speed frame machine for the improvement of quality of yarn produced. It includes a discussion of the key issue related to machine, including machine productivity, contribution to yarn quality, material handling, defects and their causes, as well as variety of other issues related to process control. Process control is primarily aimed at controlling process parameters such as speed, draft distribution, tension, twist and row variation.

References

- Process Management in Spinning By R. Senthil Kumar.
- Grosberg P and Iype C, "Yarn Production-Theoretical Aspects".

Index Terms

Computer Science
Applied Sciences

Keywords
Speed Frame Lea Yarn Productivity Tension Twist Row Variation.